

20030731.qrp v02\_n998.qrl.20030731

Date: Thu, 31 Jul 2003 19:03:14 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2998

QRP-L Digest 2998

Topics covered in this issue include:

- 1) [155160] Re: s0, THE CW IS A SNAP HUH  
by "John Sielke" <jsielke@pobox.com>
- 2) [155161] Elmer 160  
by James R Giammanco <n5ib@juno.com>
- 3) [155162] Re: Unlearning CW IS A SNAP HUH?  
by Bruce Muscolino <w6toy@erols.com>
- 4) [155163] pics  
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 5) [155164] receivers need new homes  
by "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
- 6) [155165] Direct website URL for upcoming Austin Tx ham convention  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [155166] KG6CYN DDS Kit update  
by "Jay Bromley" <jayw5jay@cox-internet.com>
- 8) [155167] Tuna Tin II, VE3DNL, and Sidekick kits. More kit maddness :-)  
by "Jay Bromley" <jayw5jay@cox-internet.com>
- 9) [155168] Programs at Austin TX Summerfest ham radio convention THIS WEEKEND coming!  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 10) [155169] Re: s0, THE CW IS A SNAP HUH  
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 11) [155170] DC input reversed-polarity protection for the Icom IC-703...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 12) [155171] NEQRP CW Net, Thursday, 31 July 03, 08:30 PM EDT, 3.566 MHz  
by Chuck Ludinsky <cjl@mitre.org>
- 13) [155172] Re: on line lic reg...  
by K7VO <k7vo@earthlink.net>
- 14) [155173] Re: [154795] UK Licencing changes - my thoughts  
by K7VO <k7vo@earthlink.net>
- 15) [155174] Re: Fwd: [Amateur-repairs] UK Licencing changes  
by K7VO <k7vo@earthlink.net>
- 16) [155175] Re: Elmer 160: linux development tools  
by Tim Groat <tcgroat@earthlink.net>
- 17) [155176] Ft. Tuthill Report from KI6DS  
by "Doug Hendricks" <ki6ds@dospalos.org>
- 18) [155177] Re: [155141] Using the computer to learn CW  
by "Julian (G4ILO)" <g4ilo@qsl.net>

- 19) [155178] [CONTEST] N2CQ QRP Contest Calendar - Aug 2003  
by "Ken Newman" <n2cq@comcast.net>
- 20) [155179] Bumblebee Reminder  
by "John Huffman" <hjohnc@core.com>
- 21) [155180] August Spartan Sprint Announcement  
by "John Huffman" <hjohnc@core.com>
- 22) [155181] Re: Unlearning CW IS A SNAP HUH?  
by Alex <kr1st@amsat.org>
- 23) [155182] Re: Fwd: [Amateur-repairs] UK Licencing changes  
by "Bill, N4QA" <n4qa@hotmail.com>
- 24) [155183] Re: Unlearning CW IS A SNAP HUH?  
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 25) [155184] QRP ITEMS FS Update  
by "David Kukulka" <ab9bz@hotmail.com>
- 26) [155185] Summer 2003 QRP Quarterly  
by "Mike Boatright" <ko4wx@mindspring.com>
- 27) [155186] Re: Elmer 160: linux development tools  
by w9ya <w9ya@arrl.net>
- 28) [155187] VEC Petition  
by "Tim, N9PUZ" <n9puz@arrl.net>
- 29) [155188] Re: Fwd: [Amateur-repairs] UK Licencing changes  
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
- 30) [155189] The AVERAGE QRP CONTESTER  
by ARDUJENSKI@aol.com
- 31) [155190] Re: VEC Petition  
by "Mike Yetsko" <myetsko@insydesw.com>
- 32) [155191] Re: on line lic reg...  
by Steven Weber <kd1jv@moose.ncia.net>
- 33) [155192] re:Ft. Tuthill Report from KI6DS  
by wo7t@juno.com
- 34) [155193] Re: VEC Petition  
by "John Sielke" <jsielke@pobox.com>
- 35) [155194] Re: Elmer 160: linux development tools  
by "John J. McDonough" <wb8rcr@arrl.net>
- 36) [155195] FT. TUTHILL (the story)  
by "KD7SNX Rob. C" <kd7snx@earthlink.net>
- 37) [155196] Re: The AVERAGE QRP CONTESTER  
by "Michael Melland, W9WIS" <w9wis@charter.net>
- 38) [155197] Re: VEC Petition  
by Rob Matherly <w0jrm@arrl.net>
- 39) [155198] Re: VEC Petition  
by Alex <kr1st@amsat.org>
- 40) [155199] Learning to SEND Morse  
by Steven Weber <kd1jv@moose.ncia.net>
- 41) [155200] Re: Elmer 160: linux development tools  
by w9ya <w9ya@arrl.net>
- 42) [155201] OT: Key Info  
by ARDUJENSKI@aol.com

- 43) [155202] Re: The AVERAGE QRP CONTESTER  
by Alex <kr1st@amsat.org>
- 44) [155203] Re: Learning to SEND Morse  
by Chuck Adams <k7qo@commspeed.net>
- 45) [155204] Re: VEC Petition  
by "John Sielke" <jsielke@pobox.com>
- 46) [155205] Re: Learning to SEND Morse  
by Chuck Adams <k7qo@commspeed.net>
- 47) [155206] Re: Learning to SEND Morse  
by Alex <kr1st@amsat.org>
- 48) [155207] Redirect of IC-703 Question?  
by Brian Short <bshort4@cox.net>
- 49) [155208] Re: Learning to SEND Morse  
by "n2cx" <n2cx@voicenet.com>
- 50) [155209] Re: Redirect of IC-703 Question?  
by "Bill, N4QA" <n4qa@hotmail.com>
- 51) [155210] Re: Redirect of IC-703 Question?  
by Alex <kr1st@amsat.org>
- 52) [155211] Molex P0wer Connector  
by "Chetan Bhargava" <list3@bhargavaz.com>
- 53) [155212] DDS experimenter's kit (longish)  
by "Ian Wilson" <ianmwilson@earthlink.net>
- 54) [155213] Re: Learning to SEND Morse  
by Bruce Muscolino <w6toy@erols.com>
- 55) [155214] Re: VEC Petition  
by K7V0 <k7vo@earthlink.net>
- 56) [155215] Re: Elmer 160: linux development tools  
by Mik Ishmael <mightymik2@comcast.net>
- 57) [155216] Re: The AVERAGE QRP CONTESTER  
by K7V0 <k7vo@earthlink.net>
- 58) [155217] Austin Tx Summerfest QRP Forum has additonal prizes donated from  
American QRP Club; and Swap Table  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 59) [155218] 455kHz AM filters & a great knob...  
by Ed Tanton <n4xy@earthlink.net>
- 60) [155219] Re: Redirect of IC-703 Question?  
by "Bill, N4QA" <n4qa@hotmail.com>

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Date: Wed, 30 Jul 2003 17:24:59 -0400  
From: "John Sielke" <jsielke@pobox.com>  
To: qrp-l@lehigh.edu, myetsko@insydesw.com  
Subject: [155160] Re: s0, THE CW IS A SNAP HUH  
Message-ID: <3F27FF6B.7721.140C12@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Content-description: Mail message body

> wouldn't have considered it at all except that the NCVEC petition makes  
> no mention of 'reserved CW' space...

Uh uh, can't talk about that. Just go insert head in sand and maybe it will go away.

John W2AGN

-----  
Date: Wed, 30 Jul 2003 15:13:34 PDT  
From: James R Giammanco <n5ib@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [155161] Elmer 160  
Message-ID: <20030730.170810.4631.2.n5ib@juno.com>

The PicStart Plus programmer I have is vintage about 1998 and I was wondering how compatible it is with more recent devices. A check of the MicroChip web page shows there is a firmware upgrade for it - guess what - it's a PIC :^)) But no clear instructions to tell what version I have already.

Opening up the gadget reveals the 40 pin PIC with a label that reads U21 PSF15000 5843h 3/4/98

Anyone out there familiar enough to know what that one is and what it's able to program?

The upgrade is available from MicoChip, or you can download the code and burn your own upgrade chip.

73  
Jim N5IB

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The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Wed, 30 Jul 2003 18:16:02 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: myetsko@insydesw.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [155162] Re: Unlearning CW IS A SNAP HUH?

Message-ID: <3F2843A2.15DE16CE@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

In 1954 I was faced with the same dilemma. I desperately wanted to get a ham license. The code was a stumbling block. I bought code practice records. I promptly memorized them! They didn't help very much. I hit on another method through reading. I now know it was a variant of the Koch method.

Contrary to popular opinion, it can be used at 5 wpm or less. Back then, in the dark ages, we didn't have much incentive to learn code at 20 wpm, or even 13 wpm. We learned at 5 wpm and depended on the air practice to gain speed. In any event, the method worked for me, maybe it will help some others too.

Pick three characters, any three. Learn them by sound - this is very important, you are going to use them by sound. Reinforce them in your mind by whistling them silently to yourself whenever you see them. Practice copying off the air by listening to slow speed stations, or copy W1AW's 5 wpm code practice. Add three more new characters after three or four days. Include the numbers.

In about a month or two you will be copying code at 5 to 8 wpm, right off the air, by sound. And you will have no need for a look up table. Try it and see.

73

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Date: Wed, 30 Jul 2003 18:38:56 -0400

From: "carl seyersdahl" <carlseye@tampabay.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [155163] pics

Message-ID: <002401c356eb\$5ca31200\$e5034918@tampabay.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I posted this awhile back , but It didn't get thru , I guess.!!  
Anyway , I am wondering if, in the elmer 160 series to come, there will be any connection to the use of LCD readouts for the program. It would certainly make things interesting. This is just a thought at the moment.!!!

thanks .!!!  
carl / kz5ca

-----  
Date: Wed, 30 Jul 2003 19:59:26 -0400  
From: "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>  
To: qrp-l@lehigh.edu  
Subject: [155164] receivers need new homes  
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE1330420B5EF@bincmdgnorexc02.cahners.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

More unpacking...found more forgotten receiver projects that need new homes!

One is the Ramsey Electronics receiver, built and in the case. Built for 80 meters. Checked just now and it works fine. \$25

Also a Vectronics receiver, built by me for 40 meters and working fine. No case on this one. Tunes with variable capacitor. \$20

Plus shipping from 30004.

Thanks,

Steve Hudson AA4BW

-----  
Date: Wed, 30 Jul 2003 19:04:35 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-l@Lehigh.EDU>, <WCARC@yahoogroups.com>,  
<AQRP@yahoogroups.com>, <tentec@contesting.com>  
Subject: [155165] Direct website URL for upcoming Austin Tx ham convention  
Message-ID: <034c01c356f7\$5349c440\$4e100a0a@rohredt2000>

The direct URL for Austin's Summerfest ham convention and swap meet is:

[www.austinsummerfest.org](http://www.austinsummerfest.org)

It is also linked from the clubs web pages, [www.austinhams.org](http://www.austinhams.org), but I had trouble seeing the link in its small typeface!

73,  
Stuart  
K5KVH

-----  
Date: Wed, 30 Jul 2003 19:10:12 -0500  
From: "Jay Bromley" <jayw5jay@cox-internet.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [155166] KG6CYN DDS Kit update  
Message-ID: <009901c356f8\$1c689540\$fad24c42@coxinternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

HI Gang,

So far I have kept up with all the orders for the KG6CYN DDS kit. When the checks come in the mail I can usually get the kits out the same day. I am staying caught up, but still have a few kits left if anyone is interested in getting one. I messed up before in my original post and called the Atmel AT89S8252 CPU a PIC, which is NOT the case. Sorry if this caused any confusion. I know it generated a few emails Trevor's way. Sorry about that Trev!!

Anyway here is the spill again for those that might have missed the first posting. The kit consists of two high quality plated through boards and the AT89S8252 CPU chip. This is not a complete kit and is more for the experience builder. Although this is not super hard kit for those master solder snorters, it does require some diligence on your part to finish it. The results are very worth while! The manual and the rest of the parts list is on Trevor's web-site at: [http://www.qsl.net/kg6cyn/DDS\\_Project.htm](http://www.qsl.net/kg6cyn/DDS_Project.htm) You can also see pictures of the finish product there.

The cost of the kit is \$25 which includes priority mail shipping. To reserve a kit just send me an email and I will send you back a confirmation number and where to send your check. Shipping labels included with your check are very much appreciated!!!!

I want to thank Trevor for all his hard work on the DDS kit. Without his help this kit would not have been possible for the Fort Smith QRP Group!

Thank you and 73 de jay/W5JAY..

-----  
Date: Wed, 30 Jul 2003 19:20:08 -0500  
From: "Jay Bromley" <jayw5jay@cox-internet.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [155167] Tuna Tin II, VE3DNL, and Sidekick kits. More kit maddness :-)  
Message-ID: <00a701c356f9\$7fb7c020\$fad24c42@coxinternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I thought since I am on a roll I might as well post about the other kits brought to you from the Fort Smith QRP Group. We have a still have the Tuna Tin IIs, VE3DNL marker/generators, and a few SideKicks left. See them at: <http://www.w5jay.net/kits/kits.htm>

These kits were put together a long time ago and when these kits run out there will be no more of them kitted/shipped from this location. So strike while the iron is hot!

Thank you and 73 de jay/W5JAY..

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Date: Wed, 30 Jul 2003 19:35:44 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [155168] Programs at Austin TX Summerfest ham radio convention THIS WEEKEND coming!  
Message-ID: <035a01c356fb\$c2e1bde0\$4e100a0a@rohredt2000>

Gang,  
I just had to list another great program following the QRP forum, in the same Lone Star rooms 1,2,3 of the Red Lion Hotel. This will be of interest to QRP folks and many other hams who build and come out Saturday for the convention/ swap meet:

Surface Mount Technology: Alice Giese. Learn firsthand and see demonstrations of techniques used in preparation and renovation of printed circuit boards of both surface-mount and conventional PC boards. (3:00-4:00, Lone Star Room)

That immediately follows our two full hours of QRP Forum.



We are glad to have three well known speakers from 1 to 3 PM: Leading off is John Fisher, of Austin QRP club; who is well known in these parts for past Summerfest appearances about his micro computer chip CW Learning Aid, which was combination CPO, CW trainer, and an exploration of one chip microcomputer design. Now he has a one chip micro doing Video titling for ATV applications. John is the man if you want to know about the low cost microcontroller and how to apply it to ham radio. His chips have included the latest Motorola one chip solutions.

Almost not needing an introduction to QRPers who go to other conventions is Ron Sparks from Houston QRP, direct from Ft. Tuthill AZ QRP Forum; and before that, the National ARRL Convention Ham Com Arlington.

Ron has learned a lot about design and making switching power supplies work. So, he is going to present "Switching Power Supplies for QRP", and what he learned from his Switcher Guru Howard.

Someone who has won the Doug DeMaw Technical Excellence Award is not someone you find at a ham convention every year. Well, we got lucky, and Gerald Youngblood who got that trophy for his excellent multi part series in ARRL's QEX magazine; is going to take us from that "Software Defined Radio For the Masses" series to application in the three boards plus a computer he has integrated to do some wondrous things for a QRP rig.

You CW types will appreciate filters that are 25 Hz wide and do not Ring! That was not a typo, yes, 25 Hz filtering. The magic of DSP makes that a reality.

And we have door prizes. Thanks to Glen Reid, K5FX, for heading up our prize pool once again. And thanks for help on the Forum from all of AQRN club.

After the QRP talks we have the surface mount and printed circuit board demonstrations in the same rooms.

Now don't forget when the convention opens Friday, we will have our annual QRP Dinner. This year at La Palapa restaurant east of the Red Lion Hotel, on Hwy 290 at Cameron Rd. 6:30 PM at the restaurant's request. Glen K5FX, will be there with prizes. There is still time to RSVP to k5kvh@arrl.net

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Date: Wed, 30 Jul 2003 20:55:35 -0400 (EDT)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: John Sielke <jsielke@pobox.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [155169] Re: s0, THE CW IS A SNAP HUH  
Message-ID: <20030730202544.V80844-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 30 Jul 2003, John Sielke wrote:

>  
> > wouldn't have considered it at all except that the NCVEC petition makes  
> > no mention of 'reserved CW' space...  
>  
> Uh uh, can't talk about that. Just go insert head in sand and maybe it will  
> go away.

Well, folks could discuss the banned subjects if they joined/used the  
qrplist at [www.zerobeat.net/qrp/qrplist.html](http://www.zerobeat.net/qrp/qrplist.html)

Then, they could discuss the unimportant issues that are banned here.

Of course those that like a web based forum could also visit  
<http://www.zerobeat.net/qrp/forum/>

Thom

<a href="mailto:baltimoremd@baltimoremd.com">baltimoremd@baltimoremd.com</a>	Thom LaCosta K3HRN Webmaster
<a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>	Baltimore's Home Page
<a href="http://www.baltimorehon.com/">http://www.baltimorehon.com/</a>	Home of the Baltimore Lexicon
<a href="http://www.zerobeat.net">http://www.zerobeat.net</a>	Home of The QRP Web Ring and DrakeList
<a href="http://www.tlchost.net">http://www.tlchost.net</a>	Web Hosting as low as \$3.49/month

-----  
Date: Wed, 30 Jul 2003 21:40:09 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [155170] DC input reversed-polarity protection for the Icom IC-703...  
Message-ID: <BAY1-F33Q9Ei2TYci6D000006d32@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hey, gang.

While I'm waiting for the service manual for the '703 to arrive, I'm  
continuing to snoop around under the hood just to increase my currently  
scant knowledge of the rig.

I got to wondering about whether Icom included DC input reversed-polarity

protection \*inside\* the rig.  
Well, the answer is yes and no.

Yes, there's a hefty-looking diode(designated D80) on the 'underside' PWB, its cathode connected to the main DC + bus, and its anode connected to circuit(and chassis) ground.

But, no, the fuse(s) associated with this diode...the one(s) that will blow if reversed-polarity power is applied... are located in the external DC power cable which is supplied with the rig.

As an associated point of interest, there is no DC input power connector affixed to the rig.  
Instead, a strain-relieved Black/Red pair of wires, each approximately equivalent to 16 AWG, and about 12 inches in length, exits the rear of the radio and terminates in a plastic connector which 'lies loose'.

The supplied external DC power cable, then, has the mating connector on its one end, and stripped-and-tinned flying leads on its opposite end. And, in between are 4-amp, fast-acting fuses(one each in the Red, Positive lead and the Black, Negative lead) contained within in-line fuse holders.

This arrangement is fine, so long as the originally-supplied cables and connectors are used for connecting the IC-703 to a 13.8 VDC supply.

As an advisory, however...If one uses an un-fused DC supply cable(ill-advised, to say the least) between rig and supply and gets the polarity backwards...KABOOM ! The internal diode would conduct HARD, limited only by the supply's short-circuit current delivery capability(or the supply's built-in current-limiting/circuit-interrupting capability), and would probably take a few PWB traces with it on its way to silicon-death valley...

BTW, there is another 4-amp fuse, located VERY NEAR D80 on the 'underside' PWB.

This 'other' fuse has nothing to do with reversed-polarity protection...

Enjoying the rig immensely...

73.  
Bill, N4QA  
<http://www.n4qa.com>

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Tired of spam? Get advanced junk mail protection with MSN 8.  
<http://join.msn.com/?page=features/junkmail>

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Date: Wed, 30 Jul 2003 22:04:11 -0400  
From: Chuck Ludinsky <cjl@mitre.org>  
To: neqrp@jonal.net, qrp-1@lehigh.edu  
Subject: [155171] NEQRP CW Net, Thursday, 31 July 03, 08:30 PM EDT, 3.566 MHz  
Message-ID: <3F28791B.3090209@mitre.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 31 July 2003, at 8:30 PM EDT (00:30Z, 1 August 03) on or near 3.566 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

With generally good conditions last week, we had an excellent net with a total of 15 participants:

AJ1J Joe Waban, MA 599  
AB1CW Ed Tyngsboro, MA 599  
AB1AV Bill Hollis, NH 589  
W2SH Charles Millington, NJ 599  
WA1JXR Greg Lancaster, MA 599  
NA1XX Mike S. Weymouth, MA 589/QSB  
AB8DF Ed Waterford, MI 339-569 (QSB)  
WA8BXN Mike nr Cleveland, OH 359  
WB1HBE John Chelmsford, MA 599  
VE3KQN Jim Halls Lake, ON 589/QSB  
AB8FJ ed? OH? 229  
N1CUU Carl nr Gettysburg, PA 589  
W1PID Jim Sanbornton, NH 599  
W1FMR Jim Salem, NH 599  
K1CL Chuck Chelmsford, MA net op

Thanks to everyone for an excellent net, and hope to hear you all again this week.  
72 DE K1CL,  
Chuck

-----  
Date: Wed, 30 Jul 2003 23:44:45 -0400  
From: K7VO <k7vo@earthlink.net>  
To: qrp-1@lehigh.edu  
Subject: [155172] Re: on line lic reg...

Message-ID: <20030730234445.64f7de3c.k7vo@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

On Fri, 25 Jul 2003 22:20:59 -0400

"AI2Q" <ai2q@adelphia.net> wrote:

> I followed the ARRL instructions to the letter, and it took me about  
> ten minutes to renew my ticket.

...and it only takes that long because they make you download an  
outdated version of the Java Runtime Environment to do it. Oh, and you  
have to be running Windows and Netscape 4.x or else fool the FCC website  
into believing that is what you are running. Keith still has a Window\$  
system and we tried it in IE 6 and Netscape 7.1. No go.

So, yeah, it works, but the FCC forces you to use outmoded software and  
a specific operating system. The WHOLE POINT of Java is write-once and  
run it anywhere in any environment. Methinks the commission needs new  
programmers.

72/73,

Caity

K7VO

-----  
Date: Thu, 31 Jul 2003 00:46:37 -0400

From: K7VO <k7vo@earthlink.net>

To: g4ilo@qsl.net

Cc: qrp-l@lehigh.edu

Subject: [155173] Re: [154795] UK Licencing changes - my thoughts

Message-ID: <20030731004637.618ac0c5.k7vo@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

On Fri, 25 Jul 2003 09:06:14 -0100

"Julian (G4ILO)" <g4ilo@qsl.net> wrote:

> The requirement to learn Morse to get a license may have gone but the=20  
> benefits of CW as a mode are still the same as they ever were. It's up  
> to the clubs and national societies to encourage new hams to learn the  
> code and continue to proclaim the benefits of it. For the last couple  
> of years the Morse test here for entry level licenses was so simple a  
> child of 6 could pass it (and some have.) I recently contacted a  
> couple of new licensees who proclaimed themselves to be big Morse

> fans. So all is not lost, and the number of new people coming in to  
> the hobby now is very good news for all of us.

Hi, Julian,

Thanks for posting this. It expresses my feelings very well. I actually think it will be easier to get people interested in Morse if they don't feel it's being shoved down their throat. I did not honestly develop an interest until well AFTER I had my Extra class license. I think some cute little Mizuho CW rigs I acquired had more to do with it than anything else.

72,  
Caity  
K7VO  
(who thinks her new call is wonderful for CW)

-----  
Date: Thu, 31 Jul 2003 00:46:54 -0400  
From: K7VO <k7vo@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [155174] Re: Fwd: [Amateur-repairs] UK Licencing changes  
Message-ID: <20030731004654.23b5d2cd.k7vo@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

On Wed, 23 Jul 2003 19:25:12 -0500  
Rob Matherly <w0jrm@arrl.net> wrote:

>=20  
> The RSGB is pleased to announce that, with effect from Friday the 25th  
> of July, there is no longer a requirement to have passed a Morse code  
> test in order to operate on the HF bands in the UK.

NCVEC has filed a petition with the FCC to eliminate all morse code testing in the U.S., territories, and any other areas administered by the FCC. To NPRM has been issued yet, so you can't file comments yet.

I think my views are well known here, and the last thing I want to do is restart the code-no code debate. I'm posting a piece of information that I thought would be of interest is all.

All the best,  
Caity

K7V0

-----  
Date: Wed, 30 Jul 2003 23:11:00 -0600  
From: Tim Groat <tcgroat@earthlink.net>  
To: qrp-1@lehigh.edu  
Subject: [155175] Re: Elmer 160: linux development tools  
Message-ID: <5.1.1.6.2.20030730230227.00a41480@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Let me say this up front, I HAVEN'T TRIED IT YET. Searching google for "pic linux" produces quite a few links. This article in the "Linux Gazette" archives looks like a good starting point:  
<http://www.tldp.org/LDP/LG/issue79/sebastian.html>

The article has plans for a simple programmer interface, and links to downloads for pp, gpsim and gputils, (linux tools for PIC development). Downloading and reading is as far as I've gone so far. Have a look at it, and decide if it's right for you.

72,  
--Tim (KROU)

>w9ya <w9ya@arrl.net>:  
>  
>Um, I am thinking about doing this course. However since I run linux will  
>this  
>limit my participation ?

-----  
Date: Wed, 30 Jul 2003 23:49:36 -0700  
From: "Doug Hendricks" <ki6ds@dospalos.org>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [155176] Ft. Tuthill Report from KI6DS  
Message-ID: <00ba01c3572f\$ea5abb40\$1fdbd7a8@DOUG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Great time in the Mountains!! It always is when you go to Ft. Tuthill but

this year was even more fun. There seemed to be a lot more young people in attendance, and that was good to see.

JoAnne accompanied me as she always does to Ft. Tuthill. (She really likes the people there). We arrived late Thursday after an 11 hour drive from Dos Palos. This time we stayed in the Fairfield Inn instead of taking our trailer. Usually we make Ft. Tuthill on the homeward swing from our summer vacation. But we did not take the "big trip" this year so decided to motel it.

Friday morning we arrived at the ScQRPions booth at 9:00, and saw Bertie and Bob Hightower, Jerry Haigwood, Dan Tayloe, Jerry Johnson and his lovely bride Kathy, Larry East, Rob Craver, Bill Walker(Rob's Uncle), Samarai Sam, Gody Siason, Jim Cates, Chuck and Phyllis Adams, Dan and Vicki Tayloe, Dick Palmer, Karl Larsen, Phil and Ina Brittain, Steve Smith, Jim Cates, Jay and Judy Miller, Jay's son and wife, (he was the one who drew the cover cartoon of the plane flying over Riley that was on a Summer QRPp a long time ago), Brian Miloshosky and lovely bride (I met Brian at Riley that same year and he was barely 16, if that.), Gale Thomas, Dave Stanford, Gary Bonebrake, Jim Duffey, Ron Sparks, Dr. Armstrong, Mike and Kids from Phoenix, Mark and son from this list, Elliot, the young man who assisted Jim Duffey a few years ago in a presentation at Riverside, Vern and June Wright, plus others who I just can't think of right now.

We were able to give away 19 NorCal Keyer kits to youngsters, one as young as 6 years old, who I am confident will succeed in building it. (I almost got in trouble by teasing him about his lost tooth. I accused him of kissing the girls and having it fall out because of that. He was not happy at all, but I soothed his feelings with a kit.)

The kids were excited, and really attracted to the demo model that we had. Rob Cravers, KD7SNX, showed me the NorCal Keyer kit that he had built and packaged into a neat little plastic case. HE also brought along a cute little set of paddles that he had made from the lid of a Gatorade bottle, 2 resistors, and 3 screws and nuts. It is really slick, and drew a lot of attention. I liked it so much that I bought it from him, and he is going to build another. The kids could not resist picking up the paddles and trying them out. Then when I told them that they could build their own, the look on their faces was fabulous. They promised to send me digital pictures when they get their kits built. I am anxious to see them.

Things were going fine until about 1:30, when the rains came. And it rained, and rained and rained. We were all soaked, and shut down the booth early.

Friday night a whole crew of us went to the Beaver Street Brewery and partook of the delicious beverages that are made right on the site. The steaks were good too! This is an annual event for us, but this year we



missed Dave and Carol Yarnes, Doug Hauff, Brian and Joanna Kassel, Paul and Jan Harden, and Jerry, Jimmy and Amanda Parker as they did not make Tuthill. Hopefully we will see them at Pacificon. You were missed, folks.

Saturday dawned bright and sunny, and there were lots more people at the hamfest. Most of the action at the Arizona ScQRPion/American QRP Club booth was on Saturday. The ScQRPions had a neat little transmitter kit that they were selling, along with a case kit (which they very quickly sold out of), and we had NorCal Keyers, Resistor Kits, MiniBoots Kits, Crystals, and 10 of the 4SQRP Club's KD1JV Tenna Dipper kits which quickly sold out.

I had a nice visit with Larry East. Larry has retired and moved from Idaho to Tucson. He told me he moved from a 3 acre lot to a postage stamp sized place! Larry had promised his wife many years ago that she could choose where they lived when they retired and she picked Tucson. He told me about a neat museum in Flagstaff, called the Museum of Northern Arizona. JoAnne and I visited it Sunday and had a nice time there. Larry is right, it is a great little museum.

Then the rains came again. But this time we saw it coming, and were torn down and things were put away by the time it came. This allowed me to hear Dr. Megacycle's talk on SWR. Very good, as his talks always are, but it was the only one that I could make.

Jerry Haigwood and Dan Tayloe did a super job on the building event. They had a bunch of people building transmitters on site both days. They elmered everyone, including Dan's wife Vicki. It was the first radio that she had ever built, and she did a great job. Dan was sure nervous during the smoke test though, but he didn't have to worry as it passed with flying colors.

Bob and Bertie hosted the breakfast again. I didn't make it, as I just didn't get out of bed in time. My loss. Everyone assured me that it was great. I did make the Saturday night barbecue. JoAnne and I stopped by the store and picked up a steak to cook, and Bertie saved the day by having the plates and eating utensils. What a great lady. The food is always great at cookouts, and this was no exception. Jay Miller brought along an extra brat for me to try, since he heard that I was the Bratwurst eating champion of the St. Louis QRP Club. I tried his New Mexico bratwurst, and it was delicious. Thanks Jay for providing it and Gary for doing the cooking. We had an excellent time at dinner, and afterwards, Jerry Haigwood, Ina Brittain and I did a little pickin' and grinnin', singing songs from the official \$49.95 Ft. Tuthill Songbook. (I printed up a half dozen copies of this, and decided to have some fun with it. There was a copy laying on the American QRP Club table and a guy picked it up and looked at it. Bertie saw him and almost convinced him to buy it!! We just about died laughing at her so seriously trying to sell him. When he left, we all had a good laugh. Bertie had fun!! By the way Jerry, we took in \$1 in coins in the guitar case. I will send you your half in the mail soon. Both Jerry and I were

sure glad to see Ina show up, she sings well, and it took the pressure off us. (Vern Wright said that we weren't nearly as glad that she showed up to sing as those who were listening.)

The evening ended with the the passing out of door prizes. Vern Wright donated the grand prize of an MP1. The guy is always there when it comes time to donate prizes. NoGa QRP Club, 4 States QRP Club, American QRP Club, and Az. ScQRPions all donated nice prizes. I won a BLT, so auctioned it off, and raised \$25 for the Az. ScQRPions. Jim Duffey won a copy of the "Official \$49.95 Ft. Tuthill QRP Forum Songbook". Poor guy.

In summary, I really enjoyed Ft. Tuthill. It was especially nice to meet some new friends. I really enjoyed the opportunity to meet and talk with Rob Craver. What a nice young man. I am looking forward to seeing him develop as a builder and a ham. Next year is on the calendar all ready, and I hope to see you there too!! Let's see, what is next??? Oh yeah, Pacificon in San Ramon in October. Can't wait. 72, Doug, KI6DS

-----  
Date: Thu, 31 Jul 2003 09:03:29 -0100  
From: "Julian (G4ILO)" <g4ilo@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [155177] Re: [155141] Using the computer to learn CW  
Message-ID: 1131141124529030931072003@excelsior.tech-pro.co.uk

You might also find useful the two programs I wrote to improve my own code speed. They are on my site: see URL below.

--  
Julian, G4ILO. (RSGB, ARRL, G-QRP)  
G4ILO's Shack: <http://www.qsl.net/g4ilo>

==== Original message ====

> Although I've seen some chatter about CW, I have not seen a link to this  
> site listed recently, so I thought I would send it out.  
> I found the software listed on this web site to beneficial in improving  
> my  
> CW.  
> <http://www.qsl.net/g4fon/>  
>

-----  
Date: Thu, 31 Jul 2003 05:02:45 -0400  
From: "Ken Newman" <n2cq@comcast.net>  
To: "K8NI Norm Into" <normk8ni@neo.rr.com>,  
      "N4SO Ken Brown" <elecraftk2@juno.com>,  
Subject: [155178] [CONTEST] N2CQ QRP Contest Calendar - Aug 2003  
Message-ID: <005b01c35742\$8202b760\$dbc92d44@kensdell>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
August 2003  
~~~~~

~~~~~  
Summer FOX Hunt - Sundays through August 10 2200-2330Z  
                  Info: <http://www.cqc.org>  
Truffle Hunt 30 min before Fox hunt. <http://fpqrp.com/pighunt2.html>  
~~~~~

Ten-Ten SSB Contest ... QRP Category  
Aug 2 - 0000z to Aug 3 - 2400z  
Rules: <http://www.ten-ten.org/>  
~~~~~

TARA "Grid Dip" Contest (PSK/RTTY) ... QRP Category  
Aug 2 - 0000z to 2400z  
Rules: [http://www.n2ty.org/seasons/tara\\_grid\\_rules.html](http://www.n2ty.org/seasons/tara_grid_rules.html)  
~~~~~

North American QSO Party (CW) ... <100W. (/QRP noted on entry)  
Aug 2 - 1800z to Aug 3 - 0600z  
Rules: <http://www.ncjweb.com/naqprules.php>  
~~~~~

RUN FOR THE BACON (CW/SSB/PSK) \*\*\* QRP CONTEST! \*\*\*  
Aug 4 - 0000z to 0200z  
<http://fpqrp.com/fpqrpapun.html>  
~~~~~

Adventure Radio Spartan Sprint (CW) \*\*\* QRP CONTEST! \*\*\*  
Aug 5 - 0100z to 0300z (Monday Evenings US/Can local time)  
Rules: <http://www.arsqrp.com/>  
~~~~~

Worked All Europe DX Contest (CW) ... <100W category  
Aug 9 - 0000z to Aug 10 - 2400z  
Rules: <http://www.sk3bg.se/contest/waedxc.htm>  
~~~~~

Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 09 - 1600z to Aug 10 - 0400z

Aug 10 - 1600z to Aug 10 - 2359z

Rules: <http://www.w3cwc.org>

~~~~~  
North American QSO Party (SSB) ... <100W. (/QRP noted on entry)

Aug 16 - 1800z to Aug 17 - 0600z

Rules: <http://www.ncjweb.com/naqprules.php>

~~~~~  
NJ QSO Party (CW/SSB)

Aug 16 - 2000z to Aug 17 - 0700z

Aug 17 - 1300z to Aug 18 - 0200z

Rules: <http://www.qsl.net/w2rj/>

~~~~~  
Hawaii QSO Party (CW/SSB/Digital) ... QRP Category

Aug 23 - 0700z to Aug 24 - 2200z

Rules: [http://www.karc.us/hi\\_qso\\_party.html](http://www.karc.us/hi_qso_party.html)

~~~~~  
TOEC WW Grid Contest (CW) ... <100W category

Aug 23 - 1200z to Aug 24 - 1200z

Rules: <http://www.qsl.net/toec/contest.htm>

~~~~~  
Ohio QSO Party (CW/SSB) ... QRP Category

Aug 23 - 1600z to Aug 24 - 0400z

Rules: <http://www.mrrc.net/oqp>

~~~~~  
BUBBA Summer QRP Sprint \*\*\* QRP CONTEST! \*\*\*

Aug 23 - 1800z to 2200z

Rules: <http://www.extremezone.com/~nk7m/>

~~~~~  
Colorado QRP Club - Summer QSO Party (SSB/CW) \*\*\* QRP CONTEST! \*\*\*

Aug 24 - 1800z to 2359z

Rules: <http://www.cqc.org/contests/>

~~~~~  
YO DX HF Contest (CW/SSB)

Aug 30 - 1200z to Aug 31 - 1200z

Rules: [http://www.hamradio.ro/contests/yodx\\_eng.htm](http://www.hamradio.ro/contests/yodx_eng.htm)

~~~~~  
SLOVENIA CONTEST CLUB RTTY Championship .. 100W Category

Aug 30 - 1200z to Aug 31 - 1159z

Rules: <http://lea.hamradio.si/~scc/rtty/htmlrules.htm>

~~~~~  
Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,

newsletter, e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)  
72 de  
Ken Newman - N2CQ  
N2CQ@ARRL.NET

<http://www.amqrp.org/contesting/contesting.html>  
<http://www.njqrp.org/data/contesting.html>  
<http://www.n3epa.org/Pages/Contest/contest.htm>  
<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 31 Jul 2003 07:15:50 -0400  
From: "John Huffman" <hjohnc@core.com>  
To: <adventureradiosociety-announcements@mailman.qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [155179] Bumblebee Reminder  
Message-ID: <019701c35755\$3a2b9fc0\$ee075dd8@jhuffman1t>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

We have about 80 "Flight of the Bumblebees" logs so far. The log deadline is August 10. Please get logs, write-ups, and pictures in as soon as possible.

Autolog is at [www.ARSqrp.com/ars/bb\\_log.html](http://www.ARSqrp.com/ars/bb_log.html)

Send additional information and pictures to me at [hjohnc@core.com](mailto:hjohnc@core.com)

In addition to score we recognize:  
Most interesting equipment  
Most outrageous venture  
Most beautiful site

The logs in so far show folks had a lot of fun and conditions were rotten. Scores were down, but enjoyment was up.

73 de NA8M  
John  
Contest Manager  
Adventure Radio Society

-----

Date: Thu, 31 Jul 2003 07:07:13 -0400  
From: "John Huffman" <hjohnc@core.com>  
To: <adventureradiosociety-announcements@mailman.qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [155180] August Spartan Sprint Announcement  
Message-ID: <019601c35755\$394f97a0\$ee075dd8@jhuffmanlt>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

#### Spartan Sprint Contest Monday -

The August Spartan Sprint will be held on August 4, 2003 (which is our standard date--the first Monday of the month). It's two hours of fun as you contact other QRP CW stations on 80, 40, 20, 15, and/or 10 meters. The contest starts at 9 pm EDT, 8 pm CDT, 7 pm MDT, and 6 pm PDT. That's 0100-0300 UTC.

The exchange is RST - State - Power (e.g. 559 MI 5W). Contest details and rules are below.

We will continue our special recognition for those who operate outdoors. If you operate outdoors, please note it in your Soapbox comments after the contest.

If it's portable and outdoors, it's Adventure Radio!

NOTE - The deadline for logs is noon on Wednesday, Pacific Time.

The web site has changed. It's now [www.ARSqrp.com](http://www.ARSqrp.com) and you'll find the autolog there. The autolog page is [www.ARSqrp.com/ars/ss\\_log.html](http://www.ARSqrp.com/ars/ss_log.html)

The change in the web site has also caused a change in our Spartan Sprint Logger software. A new version is on the web site. If you have the prior version, you'll only need to replace your current ss-log.exe with the new ss-log.exe found here

[www.ARSqrp.com/ars/pages/back\\_issues/2003\\_text/0603\\_text/0603\\_one.html](http://www.ARSqrp.com/ars/pages/back_issues/2003_text/0603_text/0603_one.html)

The complete package is also available for new installs.

#### Contest Rule Summary -

You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-.

We commend the winners in two categories--overall points (the Tubby

Division), and points per pound (the Skinny Division). We show everyone's score in both categories.

The exchange RST, SPC (state, province or country) and power output.

If you choose to call CQ, use the format "CQ SP".

You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to [www.ARSqrp.com/ars/ss\\_log.html](http://www.ARSqrp.com/ars/ss_log.html)

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers, batteries, and power supplies used during the Sprint. The specifics of our weight rules for the Skinny Division can be found at:

[www.ARSqrp.com/ars/pages/spartan\\_sprints/ss\\_weight\\_rules\\_new.html](http://www.ARSqrp.com/ars/pages/spartan_sprints/ss_weight_rules_new.html)

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday at noon.

73 de NA8M  
John  
Contest Manager  
Adventure Radio Society

-----  
Date: Thu, 31 Jul 2003 08:19:13 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155181] Re: Unlearning CW IS A SNAP HUH?  
Message-ID: <3F290941.D50F98FC@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi Mike,

Mike Yetsko wrote:

> So... how do you break the bad habits? You know, the ones that you  
> picked up when you originally memorized the characters and did a  
> 5WPM 'mental lookup', just to pass the test.

In my case, I started all over. I learned 5wpm to pass the test, and didn't do anything with it until I decided to improve on speed. I'm using the Koch software and started right at 20wpm character speed and 20 wpm word speed. All the tricks that work at 5 wpm don't work anymore at 20 wpm. I had to slow down the word speed to 15 wpm because I couldn't write fast enough. Now I'm practicing at 17 wpm. Boy, a difference 2 wpm makes...

One thing I think should be absolutely forbidden (I know you can't), is any mention of learning by association, especially those cute phrases. When I just started to learn the code in a code class and some fellow student started mentioning those phrases that go with a letter, it would throw me off. For months I had problems with one particular letter just because the phrase stuck, and I could never remember the actual sound of that letter. And for some reason, whenever me or my wife (we took the class together) would ask not to do this, they'd continue as they thought they were showing off how well they knew "code". That was two years ago, and while we're enjoying our Extra privies, they are still trying to pass that 5wpm test. :-)

Btw, our teacher did not use a computer but a set of paddles and a keyer to teach us. Because he used this rather than a computer it seemed he was much more capable to address individual problems. The class was held twice a week and it was tremendous fun! We always looked forward to that class.

73,  
--Alex KR1ST

-----  
Date: Thu, 31 Jul 2003 09:18:26 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [155182] Re: Fwd: [Amateur-repairs] UK Licencing changes  
Message-ID: <BAY1-F492Mq6ZDth17B00013d99@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Gee,  
With all the references... to some new petition to remove Morse-code testing in the US...flying around, I'm glad someone finally spelled it out for me. I'm a little dense sometimes.  
Thanks, Caity.  
Anyone have a URL for the full scoop?

Just an opinion here and we all know about opinions...



While I'll admit to having some trepidation about the possible removal of a CW REQUIREMENT, this petition may eventually lead to the ultimate truth about CW... The truth as to whether CW is interesting...fun, efficient...even alive after some 158 years.

As for my own feelings... and to quote Mr. Heston, when it comes to giving up my key(s)... And, yes, I realize that I'm playing the part of 'extremist' here...

"From my cold, dead hands" :0)

73.  
Bill, N4QA  
<http://www.n4qa.com>

---

Add photos to your e-mail with MSN 8. Get 2 months FREE\*.  
<http://join.msn.com/?page=features/featuredemail>

---

Date: Thu, 31 Jul 2003 09:22:22 -0400 (EDT)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: Alex <kr1st@amsat.org>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [155183] Re: Unlearning CW IS A SNAP HUH?  
Message-ID: <20030731092019.A9578-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 31 Jul 2003, Alex wrote:

> One thing I think should be absolutely forbidden (I know you can't), is  
> any mention of learning by association, especially those cute phrases.

Kinda like learning how to spell geography by remembering  
George Eats old Gray Rats and Paints Houses Yellow.

Thom

[baltimoremd@baltimoremd.com](mailto:baltimoremd@baltimoremd.com)  
<http://www.baltimoremd.com/>  
<http://www.baltimorehon.com/>  
<http://www.zerobeat.net>  
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster  
Baltimore's Home Page  
Home of the Baltimore Lexicon  
Home of The QRP Web Ring and DrakeList  
Web Hosting as low as \$3.49/month

-----  
Date: Thu, 31 Jul 2003 09:18:55 -0500  
From: "David Kukulka" <ab9bz@hotmail.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [155184] QRP ITEMS FS Update  
Message-ID: <Law10-0E13uwVZn6Qpi000018b7@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The following items have been claimed  
Emtech ZM-2 QRP antenna tuner built \$50 SOLD  
K1EL K20 CW Keyboard built in altoids tin \$25 SOLD  
NOGaWATT QRP Wattmeter built in case \$20 SOLD

Price have been dropped on the remaining two items:

-----  
| Small Wonders PSK-20 built in homebrew enclosure \$95 |  
K1EL K10 Keyer built in enclosure \$15

Add \$5 shipping

72 de AB9BZ

-----  
Date: Thu, 31 Jul 2003 10:28:38 -0400  
From: "Mike Boatright" <ko4wx@mindspring.com>  
To: "Qrp-L" <qrp-l@Lehigh.EDU>  
Subject: [155185] Summer 2003 QRP Quarterly  
Message-ID: <NFBBIIMKCMIIIGKAJMBLEEOACKAA.ko4wx@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

To all QRP ARCI members -

Just a quick note to let you know that your Summer 2003 "QRP Quarterly"  
magazine is "in the mail."

On behalf of the entire editorial staff, I'd like to say that we're very  
excited about this issue. There is plenty of coverage from FDIM, two new  
columnists, and some very interesting and exciting construction and

operating articles.

We wanted to give you a heads up that they are in the mail, as many of the "where's my copy?" emails end up being USPS issues or membership issues. You can rule out membership issues by checking the QRP ARCI website and find your current membership status at <http://www.qrparci.org/lookup.html>.

The editorial staff and I are already looking for articles for the fall issue. You don't have to be an overly accomplished writer to contribute--it's our job to help you sound and look like you are! But we are looking for interesting construction, operating, and ESPECIALLY international experiences and authors. The final deadline for material for the fall issue is September 1, 2003.

On a personal note, I'd like to thank everyone on the editorial staff for all the hard work that they put into keeping the "QRP Quarterly" the premier international journal of the QRP Community.

72 de Mike Boatright, K04WX, Editor, QRP Quarterly

-----  
Date: Thu, 31 Jul 2003 10:30:36 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [155186] Re: Elmer 160: linux development tools  
Message-ID: <200307311030.36675.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Tim;

Looks simple enough. Do all pics use essentially the same or similar burning protocols ?, i.e. similar enough to use such a simple programmer.

Thanxs for your time and the reply.

Vy 72;

Bob

On Thursday 31 July 2003 12:11 am, Tim Groat wrote:

> Let me say this up front, I HAVEN'T TRIED IT YET. Searching google for "pic

> linux" produces quite a few links. This article in the "Linux Gazette"  
> archives looks like a good starting point:  
> <http://www.tldp.org/LDP/LG/issue79/sebastian.html>  
>  
> The article has plans for a simple programmer interface, and links to  
> downloads for pp, gpsim and gputils, (linux tools for PIC development).  
> Downloading and reading is as far as I've gone so far. Have a look at it,  
> and decide if it's right for you.  
>  
> 72,  
> --Tim (KR0U)  
>  
> >w9ya <w9ya@arrl.net>:  
> >  
> >Um, I am thinking about doing this course. However since I run linux will  
> >this  
> >limit my participation ?

-----  
Date: Thu, 31 Jul 2003 10:34:22 -0500  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155187] VEC Petition  
Message-ID: <2003731103422.503117@EOS>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

On Thu, 31 Jul 2003 09:18:26 -0400, Bill, N4QA wrote:

> Gee,  
> With all the references... to some new petition to remove Morse-  
> code testing in the US...flying around, I'm glad someone finally  
> spelled it out for me. I'm a little dense sometimes. Thanks, Caity.  
> Anyone have a URL for the full scoop?

There is an article on eham.net that has the full text of the VEC petition=  
to  
the FCC.

Tim, N9PUZ

-----  
Date: Thu, 31 Jul 2003 08:38:55 -0700 (PDT)  
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [155188] Re: Fwd: [Amateur-repairs] UK Licencing changes  
Message-ID: <20030731153855.23906.qmail@web80504.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- K7VO <k7vo@earthlink.net> wrote:

> NCVEC has filed a petition with the FCC to eliminate all morse code  
> testing in the U.S., territories, and any other areas administered by  
> the FCC. To NPRM has been issued yet, so you can t file comments  
> yet.

We all knew there would be a filing sooner or later. Ain't no biggie.

72, Gary -K8KFJ-

-----  
Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software  
<http://sitebuilder.yahoo.com>

-----  
Date: Thu, 31 Jul 2003 11:45:55 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [155189] The AVERAGE QRP CONTESTER  
Message-ID: <1dd.ee6ea0e.2c5a93b3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

We see high scoring QRPers with tall towers and big beams but what about the middle of the road operators with middle of the road stations (dipoles at 30ft, end fed wires, 1/4wl verticals, etc). How successful are these folks. I know of one K3WWP as filling the bill which means that his operating skills must be above average.

[http://www.qsl.net/k3wwp/contest\\_ss.html](http://www.qsl.net/k3wwp/contest_ss.html)

I was curious how many other AVERAGE QRP operators are meeting with measured success in contests. Are there folks out there with less sophisticated radios, basic antennas and average sending speeds doing relatively well in contests?

Alan KB7MBI in Woodinville, WA  
FISTS 5702 / ARS / Proud member of ARRL  
--- --- . . . . . --- --- DIT DIT

-----  
Date: Thu, 31 Jul 2003 11:52:02 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <n9puz@arrl.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [155190] Re: VEC Petition  
Message-ID: <005701c3577b\$b2ced840\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> There is an article on eham.net that has the full text of the VEC  
> petition to the FCC.  
>  
> Tim, N9PUZ

QRZ also has it, as the leadoff to a discussion string.

It seems to have brought out the worst in some people...

-----  
Date: Thu, 31 Jul 2003 11:48:15 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [155191] Re: on line lic reg...  
Message-ID: <3.0.6.32.20030731114815.007c6430@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>have to be running Windows and Netscape 4.x or else fool the FCC website  
>into believing that is what you are running. Keith still has a Window\$  
>system and we tried it in IE 6 and Netscape 7.1. No go.  
>

Strange, I'm runnng IE6 and had no trouble with the site, nor did it make  
me down load any plugins. Worked just like any other corperate web site  
I've been to.

If you really want to scream and pull your hair out, try ordering priority  
mail supplies on the post office web site! Man, those guys are really good  
at hiding pages you want to find!

BTW, my new license was at my PO box when I checked it yesterday. And

noticed they print your FRN number right on the license, so you don't have to remeber it. All you need to remeber is your password.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Thu, 31 Jul 2003 16:04:02 GMT  
From: wo7t@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [155192] re:Ft. Tuthill Report from KI6DS  
Message-ID: <20030731.090450.505.606344@webmail10.lax.unttd.com>  
Mime-Version: 1.0  
Content-Type: text/plain

It was a great, yet wet, Ft. Tuthill this year, but as always a reason to leave behind hot weather, yard-work, and honey-do lists from Phoenix for a few days in the mountains of Arizona.

I made the trek with Mike W1DRY and his children, Rachel and Philip. Arrival was a bit before noon on Friday, and as always the QRP tent is the first one visited. I had to have a Transmitter kit, and show Mike the Tenna-Dipper kit (a winner!) I had already built. Right away that visit paid off with my two harmonics feeling "involved" in the spirit of a hamfest.....that is.....walking around and getting or buying radio "stuff".

Thank you Doug, for the generosity and good nature exhibited to my young boys: Brad (5) and Nick (7), by handing them both a free NorCal keyer kit.

The killer rain (Friday) hit just as Mike and I succumbed to the pleas for some lunch, and were pulling out of the hamfest probably around 12/1p. We returned after rains stopped, only to hear about some heroic and wet canopy saving by QRP gang and others. We also some necessary recovery tactics with cabinets, cases and items tipped up to let rain drain out.

Saturday morning was good for leisurely pass through the hamfest and visits with friends, and then the Balloon launch which was another highlight for my boys. I should have probably brought my video camera to tape it and get some of their questions and reactions on tape. Dog watching and petting was also a key activity while Dad checked out junk boxes, or pondered further acquisitions.

Again, we make it out for lunch ahead of any rains. We returned to Comfort Inn (very nice), and grab the Keyer kits. Mike wanted to attend some seminars, and I suggested to the kids that we build their NorCal keyer gifts received the day before. I was rewarded with that being a "great" idea by all 4 kids. So we ate lunch then headed back to hamfest. As we're driving back it is ominous and just sprinkling a bit. We find a close parking place, jump out, and hustle to the soldering building as the sprinkle turns to light rain. We're in the building no more than 1 minute and it starts pouring buckets. This is when I'm greeted with the following from Brad: "Dad, I got to go potty bad". He just had to throw that last word in there to make action required. We sprinted across parking lot to port-a-potty, and thus, joined the damp crowd for the remainder of the afternoon.

Keyer kits went together well, with caveat voiced earlier around the iron tips making for some soldering challenges with beginners (challenges for me too). Besides a dry change of clothes, I really wanted a wet kitchen sponge. Nick wanted no part of soldering with a hot iron, and was the parts stuffer and lead clipper. Brad would either place iron on pad or lay in solder while Dad heated the joint. Philip and Rachel ran their own shows, with double-checks by me on right parts in right holes.

There was some great elmer'ing going on in with the building event as others I noted were into the more complex transmitter kits that were looking great on the tables. Anyway, we left Ft. Tuthill enjoying 4 completed keyer kits by the kids, while enjoying the soothing sounds of rainfall outside. (Pictures will be forthcoming after packaging..... probably in a metal flip open eyeglass case found at our local \$1 store. Dad owes Doug a picture of his own NorCal keyer retrofited into his Patcomm PC-500 also)

Until next Ft. Tuthill,

73,

Mark  
W07T/qrp  
Chandler, AZ

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

---

Date: Thu, 31 Jul 2003 12:07:19 -0400  
From: "John Sielke" <[jsielke@pobox.com](mailto:jsielke@pobox.com)>



To: qrp-1@lehigh.edu  
Subject: [155193] Re: VEC Petition  
Message-ID: <3F290677.19813.34A2055@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

> On Thu, 31 Jul 2003 09:18:26 -0400, Bill, N4QA wrote:  
> > Gee,  
> > With all the references... to some new petition to remove Morse-  
> > code testing in the US...flying around, I'm glad someone finally  
> > spelled it out for me. I'm a little dense sometimes. Thanks, Caity.  
> > Anyone have a URL for the full scoop?  
> There is an article on eham.net that has the full text of the VEC petition to  
> the FCC. Tim, N9PUZ

Note that although this was introduced by the W5YI VEC, the ARRL VEC abstained from voting, which effectively passed it, without the ARRL being accused of "Voting Against CW." Whatever else you may say, they sure are sly.

Not the next thing, which is being talked about in various venues, is elimination of ALL CW sub-bands. Note I am not saying elimination of CW, but it would "share" with Voice, etc., not just digital.

John W2AGN

-----  
Date: Thu, 31 Jul 2003 12:29:00 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Cc: <w9ya@arrl.net>  
Subject: [155194] Re: Elmer 160: linux development tools  
Message-ID: <00b501c35780\$dab60c20\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Basically, all PICs program the same way.

There are obvious differences in the memory size and the various features, so it doesn't, for example, make sense to program the EEPROM in a PIC that doesn't have EEPROM, but the scheme is basically the same.

All the FLASH PICs are notified that they are being programmed by raising a

pin to >12 volts. SOME of these can be programmed with 5 volts only, providing you have warned them ahead of time you intend to do that. The actual data comes in at normal TTL levels in either case. They are all serially programmed, so there is a data pin and a clock pin. These pins have other uses when the part is not being programmed.

The main complexity in building a programmer for different PIC models is that, depending on the features, they have different numbers of pins. In general, though, all the PICs with the same number of pins use the same pins in programming, so you probably could cover the gamut with simple logic and a handful of sockets wired in parallel.

One thing that changes the cost of programmers is the supply. When programming the part, you send the program, then read it back. Microchip recommends that, for production purposes, you read it back at the minimum and maximum supply voltages. In most applications, the supply might range from 4.5 to 5.5 volts, but many of the PICs will operate from 3 to 6 volts. Depending on your application, you may very well want to verify at, say, 3 and 3.5 volts. For convenience, you would like the supply to be controllable by the programming software, but if you were in production, you wouldn't want to have to tell the programmer what voltages to use for each individual part, but you would like the software to tell you if the voltage you chose didn't make sense for particular part. Obviously, this can add up to a complex programmer and complex software.

For our purposes, we can probably get by with a 5 volt supply that's 5 volts or so, and a really simple programmer. If you think about only 2 pins with data and one with +12, it only takes a few diodes to protect most circuits from that (and to prevent the circuit from interfering with the programming data), so programming the part while it is in the final circuit is a real possibility. Microchip has good documentation on how to do this. When you are experimenting, this is a real convenience.

I don't intend to do much, if anything, specific to Linux. I figure 95% of the folks will be using Windows, and that is where Microchip's tools are targeted. However, I noticed today that they have gcc sources on their site. It's going to be tough to keep from getting distracted by that <g>

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "w9ya" <w9ya@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, July 31, 2003 11:30 AM

Subject: Re: Elmer 160: linux development tools

> Tim;  
>  
> Looks simple enough. Do all pics use essentially the same or similar  
burning  
> protocols ?, i.e. similar enough to use such a simple programmer.  
>  
> Thanxs for your time and the reply.  
>  
> Vy 72;  
>  
> Bob

-----  
Date: Thu, 31 Jul 2003 09:32:32 -0700  
From: "KD7SNX Rob. C" <kd7snx@earthlink.net>  
To: "message post" <qrp-1@lehigh.edu>  
Subject: [155195] FT. TUTHILL (the story)  
Message-ID: <000901c35781\$57d747f0\$6e21b83f@Cravers>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This was my very 1st ft. tuthill. I went up with my uncle, wv7g bill. We got up there late afternoon Thursday. the drive was not all that long compared to others that drove in for California an New Mexico!. it took all of five hours, and surprisingly I did not sleep through one bit driving up. When we got every thing out of the truck and made the tent up, in the QRP scQRPions camp site. We started to talk to Bob and Berdie Hightower (sorry if I spelt that wrong) they are QRP scQRPions Leaders, Organizer and the nieces people you can meet. As the day turned into night we hit the hay. I did not sleep on bit, for I was day dreaming about great prices on tube rigs and meeting the fellow QRP scQRPion members. When Bill got up around 4:30am, I was up all night. He then noticed that we forgot a lighter to make coffee! So that morning it was very slow for Bill. After no coffee we walked into the selling area around 5:30. Before the gates were open. One gate was open for venders to get in, so we kinda walked in. Around 6:00am Bob showed up with the tents things to sell stuff under. We helped set that up, and met some more qrp guys. I finally got to meet Doug Hendricks! I built one of his Norcal keyer kit and thought it was a great little full featured keyer. I had to show it to him. I even made little paddles out of a Gatorade bottle cap and resistors. (you will see, I am witting an article for Doug on them) Later on that day I walked around the vender areas and kept and eye out for

a good 1st hf rig. I soon found a TS-520. my uncle has one, and from what I hear and what I have seen they are great rigs. I asked the guy how much? And I hear a low price of \$200!!! He also had a FT-101 for \$150. I looked them both over and decided that the ts-520 would be a better buy, because he had the external speaker, power cords, original mic, and the manual. The

ts-520 works great too. Well it did pass the smoke test so far, but I have not transmitted with it yet. Bill WV7G will test the transmitter for me some time soon I guess. Anyway the guy said it had not a thing wrong with it so it should work. When I got the radio put away, a storm came in around 3:00pm. It was a big one!!! Lots of rain with lightning and wind!!! We has three big hits of heavy rain that were about 20 min. long and 10min. apart. The last big one had hale!! The hale was not very big, but it did hurt

hitting my legs when the wind pushed it along. Most of the group tried to hold the tent down , because of the wind. The funny thing was , it was made out of steel and lighting is hitting pretty darn close! Anyway the storm was bad and we came out alive but I have never been so wet!! I could not put my shoes on until the last day, because they were soaked. Lucky I brought sandals too. Saturday morning we had a great big breakfast, put on by the group. Everything you wanted for breakfast was there. We ate and headed off to the venders I did manage to spend some money, that day on a norcal kit/4 state qrp,

called the tenna dipper. I let Doug use my Norcal keyer kit as a model. Doug, later on thought it was such a good model that he bought it off me! He also gave me a miniboots on Friday. What a nice guy, let me tell you if you have not met him, you should. He is full of wisdom, and Doug is always willing to help out with anything. He also puts together some great kits. I must say that by far,Doug premots the hobby to the kids the most out of every one i have seen.

That day, Saturday, I took my general test. Element 2 and 3. I only passed the written, but the code I will try again in two week or so. I can't wait to start using my TS-520. I believe it will be used on cw more the ssb. I think cw is pretty neat. Later on it that day, I bought some more stuff, I bought so many things I can't remember what day I got them! That night the group had a Bring your own meet dinner! it was great. Bill, wv7g; and I, kd7snx had some kind of steak. We talked with the other group members. I must say there is some really nice guys out there. When it just started to get dark, the group had it raffle. I did not win anything, but I did not mind, because I got several things at great deals. My uncle won some kind of kit that switches between a transmitter and a receiver. I forgot what it was called Anyway, it is a nice addition to his qrp kits. I got in bed late that night, I did sleep this time. When I woke up to the smell of coffee and breakfast, I remembered that we where going home today. I ate then ran off to the venders again to see if there was and last minutes deal. There where auctioning junk, but I did not want anything up there, well because it was all junk! We got all packed and sat down to eat lunch before we headed off. Gale sat with us eating his lunch. After that we got to talking with: Dave,

Phil, Gale and Doug. It was good to have a nice long chat before we left. On the way home I slept 1/3 of the way or so. When Bill saw my eyes go down he would swerve the car, and my head would hit the window! I am still trying to get him back for that! All in all Tuthill 2003 was the best hamfest I had every gone to, despite the rain and lack of people.

73

Rob C.

KD7SNX

www.qsl.net/kd7snx

-----  
Date: Thu, 31 Jul 2003 11:35:02 -0500  
From: "Michael Melland, W9WIS" <w9wis@charter.net>  
To: ARDUJENSKI@aol.com,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155196] Re: The AVERAGE QRP CONTESTER  
Message-ID: <000a01c35781\$b26929e0\$4986e98d@winad.it.uwosh.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7bit

I don't consider myself that sucessful or a true tester...but I have placed in the QRP-ARCI SSB contests.... 3rd this year overall.

Used a Gap Titan DX ground mounted vertical and 10 watts pep.

Mike, W9WIS

-----  
Date: Thu, 31 Jul 2003 11:33:10 -0500  
From: Rob Matherly <w0jrm@arrl.net>  
To: n9puz@arrl.net,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [155197] Re: VEC Petition  
Message-ID: <200307311133.10732.w0jrm@arrl.net>  
Content-Type: text/plain;  
charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable

On Thursday 31 July 2003 10:34 am, Tim, N9PUZ wrote:  
> On Thu, 31 Jul 2003 09:18:26 -0400, Bill, N4QA wrote:  
> > Gee,  
> > With all the references... to some new petition to remove Morse-

> > code testing in the US...flying around, I'm glad someone finally  
> > spelled it out for me. I'm a little dense sometimes. Thanks, Caity.  
> > Anyone have a URL for the full scoop?  
>  
> There is an article on eham.net that has the full text of the VEC petition  
> to the FCC.

I tried posting it to the list, but it never showed up.

72/73/oo  
Rob, w0jrm

-----  
Date: Thu, 31 Jul 2003 12:38:25 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155198] Re: VEC Petition  
Message-ID: <3F294601.39F70ACD@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

"Tim, N9PUZ" wrote:

> There is an article on eham.net that has the full text of the VEC petition to  
> the FCC.

>From that petition:

<quote>  
This request to eliminate the Morse code (Element 1) examination does  
not necessarily  
have the support of the ARRL Board since they have yet to develop a  
position on the matter.  
</quote>

This position will be developed during January 2004 board meeting. Make  
sure your voices will be heard by the ARRL before then. Wanna bet what  
the outcome will be?

73,  
--Alex KR1ST

-----  
Date: Thu, 31 Jul 2003 12:55:20 -0400

From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [155199] Learning to SEND Morse  
Message-ID: <3.0.6.32.20030731125520.007c8670@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Okay, learning to copy Morse is one thing. Learning to send Morse is quite another. I learned to send using a trusty J-38 straight key. And do pretty darn well at it, IMOHO. But when it comes to using a paddle, well, that's another story.

I can send the initial exchange fine, it's easy to practice sending RST, QTH and Name. It's when we get to the rag chew part of the QSO that I get flustered. Start to forget which side of the paddle is dits and which side is dahs! Of course, being a poor speller is part of the problem. Trying to remember how to spell a word and how to work the paddle at the same time is too much for my tired brain to handle <g>

I guess the only solution is to get on the air more using a paddle and make the guy on the other end scratch their head trying to figure out what the heck I'm trying to say.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----

Date: Thu, 31 Jul 2003 11:56:44 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [155200] Re: Elmer 160: linux development tools  
Message-ID: <200307311156.44302.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

John;

Thank you for the excellent response. It seems like it will be most helpful.

( BTW: I think the number of Linux users may surprise you.)

Vy 73;

Bob

On Thursday 31 July 2003 11:29 am, John J. McDonough wrote:

> Basically, all PICs program the same way.  
>  
> There are obvious differences in the memory size and the various features,  
> so it doesn't, for example, make sense to program the EEPROM in a PIC that  
> doesn't have EEPROM, but the scheme is basically the same.  
>  
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> and maximum supply voltages. In most applications, the supply might range  
> from 4.5 to 5.5 volts, but many of the PICs will operate from 3 to 6 volts.  
> Depending on your application, you may very well want to verify at, say, 3  
> and 3.5 volts. For convenience, you would like the supply to be  
> controllable by the programming software, but if you were in production,  
> you wouldn't want to have to tell the programmer what voltages to use for  
> each individual part, but you would like the software to tell you if the  
> voltage you chose didn't make sense for particular part. Obviously, this  
> can add up to a complex programmer and complex software.  
>  
> For our purposes, we can probably get by with a 5 volt supply that's 5  
> volts or so, and a really simple programmer. If you think about only 2  
> pins with data and one with +12, it only takes a few diodes to protect most  
> circuits from that (and to prevent the circuit from interfering with the  
> programming data), so programming the part while it is in the final circuit  
> is a real possibility. Microchip has good documentation on how to do this.  
> When you are experimenting, this is a real convenience.  
>



> I don't intend to do much, if anything, specific to Linux. I figure 95% of  
> the folks will be using Windows, and that is where Microchip's tools are  
> targeted. However, I noticed today that they have gcc sources on their  
> site. It's going to be tough to keep from getting distracted by that <g>  
>  
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>  
> didileydadidah QRP-L #1446 Code Warriors #35  
>  
>  
> ----- Original Message -----  
> From: "w9ya" <w9ya@arrl.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, July 31, 2003 11:30 AM  
> Subject: Re: Elmer 160: linux development tools  
>  
> > Tim;  
> >  
> > Looks simple enough. Do all pics use essentially the same or similar  
>  
> burning  
>  
> > protocols ?, i.e. similar enough to use such a simple programmer.  
> >  
> > Thanxs for your time and the reply.  
> >  
> > Vy 72;  
> >  
> > Bob

-----  
Date: Thu, 31 Jul 2003 13:05:20 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [155201] OT: Key Info  
Message-ID: <157.2251dde2.2c5aa650@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I started a few months ago sending station info and include tyope of key I am using along with antenna and rig. It becomes a nice focus point for the QSO and get to see what other hams are using. Also I think it has been of value to compliment those that are using good fists. I find that if I don't get any sending feedback for a while it forces me to really concentrate on my sending. I find looking for something between good KING'S ENGLISH and an AUCTIONEER is a good cw compromise for me

With DX it also becomes a great topic and gets it off the typical fast exchange.

Just passing along....

Alan KB7MBI

-----  
Date: Thu, 31 Jul 2003 13:10:07 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [155202] Re: The AVERAGE QRP CONTESTER  
Message-ID: <3F294D6F.AFF65B67@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

ARDUJENSKI@aol.com wrote:

> I was curious how many other AVERAGE QRP operators are meeting with measured  
> success in contests. Are there folks out there with less sophisticated radios,  
> basic antennas and average sending speeds doing relatively well in contests?

Just last week I received my first place award in the QRP category of the PACC contest. Unfortunately, I was the only one from the US competing in this class. :)

The package also included a booklet with all scores and soapbox comments, and a ribbon. Both are shipped to any competitor outside the Netherlands.....free!

<http://www.dutchpacc.com/>

I think if we'd calculate dollars spent per QSO in any major contest, I bet I'm doing pretty darn well with my IC-718, inverted V and virtually no experience. :)

73,  
--Alex KR1ST

-----  
Date: Thu, 31 Jul 2003 18:12:57 +0100  
From: Chuck Adams <k7qo@commspeed.net>  
To: kd1jv@moose.ncia.net,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [155203] Re: Learning to SEND Morse  
Message-ID: <5.2.1.1.0.20030731180723.00b244a8@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>

If you get the newspaper every day, it is a good source of material for sending. It is written at the middle school level so most of the words don't get too large except for the international news.

And what is fun is to go to the sports section with all the stats and practice on your numbers while you memorize scores and batting averages.....

If you don't have a newspaper, then use something like the Readers Digest or other magazines or back issues of QQ or QRPP.

Use the NorCal code practice oscillator/keyer and a paddle of your choice.

And most important of all. Record it and later play it back to see if it is well sent and you can read it. You do want it to sound like it was sent by a computer.

Just a thought. FYI.

Chuck Adams K7QO k7qo@commspeed.net  
<http://www.qsl.net/k7qo> CP-60

-----  
Date: Thu, 31 Jul 2003 13:17:03 -0400  
From: "John Sielke" <jsielke@pobox.com>  
To: qrp-l@lehigh.edu  
Subject: [155204] Re: VEC Petition  
Message-ID: <3F2916CF.31360.389FC6E@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

> This position will be developed during January 2004 board meeting. Make

> sure your voices will be heard by the ARRL before then. Wanna bet what  
> the outcome will be?  
> 73,  
> --Alex KR1ST

Once again, may I seriously suggest that we make use of the  
"qrplist@zerobeat.net" kindly provided by Thom? That way we can discuss  
issues that are important (to us, anyway) such as the VEC Petition, CW  
requirements, etc., without worrying about being "cut off" in the middle of  
the discussion by the censor, er..moderator.

John W2AGN

-----  
Date: Thu, 31 Jul 2003 18:20:36 +0100  
From: Chuck Adams <k7qo@commspeed.net>  
To: kd1jv@moose.ncia.net,  
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [155205] Re: Learning to SEND Morse  
Message-ID: <5.2.1.1.0.20030731181334.00b63908@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:55 PM 7/31/2003 -0400, Steven Weber wrote:

>...snip snip...  
>I can send the initial exchange fine, it's easy to practice sending RST, QTH  
>and Name. It's when we get to the rag chew part of the QSO that I get  
>flustered. Start to forget which side of the paddle is dits and which side  
>is dahs! Of course, being a poor speller is part of the problem. Trying to  
>remember how to spell a word and how to work the paddle at the same time is  
>too much for my tired brain to handle <g>  
>

Ooops. Another senior moment.

To remember how to spell: Another better source for sending is the dictionary.  
You can get them in paper back very cheaply if you do not already own one.  
Just randomly pick a page and send every word on that page at least twice.  
Do a page a day (tm phrase :-)) . I am most likely the only person who has  
typed in the words onto IBM cards. That is another story OT.

Reading the definitions and not sending them helps your vocabulary. The  
differences between to, too, tu, and two are important. Although tu isn't  
usually found in the English dictionary.

Again, FYI.

Chuck Adams K7QO k7qo@commspeed.net  
http://www.qsl.net/k7qo CP-60

-----  
Date: Thu, 31 Jul 2003 13:36:18 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155206] Re: Learning to SEND Morse  
Message-ID: <3F295392.D500BEE7@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Chuck Adams wrote:

> To remember how to spell:

I'm just putting the finishing touches on a spell checking keyer for straight keys and paddles. I hope to offer it as a kit by April 1st, 2004. I will take pre-release orders, tough.

73,  
--Alex KR1ST

-----  
Date: Thu, 31 Jul 2003 12:32:01 -0400  
From: Brian Short <bshort4@cox.net>  
To: Low Discussion <qrp-l@Lehigh.EDU>  
Subject: [155207] Redirect of IC-703 Question?  
Message-ID: <82F4C9BB-C374-11D7-9CC9-00306543B616@cox.net>  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

I recently posted some of my experiences connecting radios with data controllers, etc.

It may have left some with the impression that I own an IC-703. Unfortunately, that is not the case.

Someone wrote to ask me about operating power

using PSK-31 because they had damaged the radio's final amplifiers after 1 minute at 10w.

I have no idea!

I guess there may have been an antenna mismatch, but even then the automatic protection should fold the power back, etc. Compared to RTTY, the PSK-31 duty cycle is low, too.

I would think that this experience is freak, but nobody is more out of the loop than me.

Somebody else care to tackle this question to help this fellow?

--

See my web page: <http://www.k7on.com>

-----

Date: Thu, 31 Jul 2003 13:40:59 -0400 (EDT)  
From: "n2cx" <n2cx@voicenet.com>  
To: qrp-l@lehigh.edu  
Cc: kd1jv@moose.ncia.net  
Subject: [155208] Re: Learning to SEND Morse  
Message-ID: <200307311740.h6VHexE27756@email1.voicenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1

Steve,

Yeah I know what you mean! Been a ham a long time myself and the paddles are nice but don't always agree with my fingers. I don't think I will *\*ever\** be comfortable with iambic keyers, either.....

My unusual spelling is aided by a dyslexic tendency (you may have noted it in my typing as well!) On the other hand language is fortunately somewhat redundant so as long as you get close to the right words, it's usually not too tough for the other guy to figure out what I'm trying to say.

Hmmm, I think Mark Twain remarked that folks who know only one way to spell something don't have much imagination....

P.S. I took extra care to proofread this message - hope that means I caught and corrected all of the flubs.

72/73,

Joe E., N2CX

You wrote:

<SNIP>

I guess the only solution is to get on the air more using a paddle and make the guy on the other end scratch thier head trying to figure out what the heck I'm trying to say.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

-----  
Date: Thu, 31 Jul 2003 14:31:31 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [155209] Re: Redirect of IC-703 Question?  
Message-ID: <BAY1-F65t1JI2NehG7X00014b93@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Brian,

Thanks for posting this because I'd be interested in learning something about your questioner's '703 failure mode...being a '703 owner myself.

\*AFTER\* I began having the intermittent power output problem with my '703, I ran a 30-minute-long heatrun with the key locked down (straight-key-mode) and the rig putting out 10 watts RMS into the Heathkit Antenna. I kept a close watch on the WM-2 to ensure that the rig was putting out 10 Watts for the entire 30-minute duration. I also...very un-scientifically...gauged the temperature, with my fingertips probing the rear apron, for the hottest spot, which, I guessed, was running about 50 degrees C. Of course, without yet knowing the entire cooling system for the '703's finals...haven't torn it down that far as yet...I couldn't hazard a guess as to the finals' junction temps.

The result was, however, ...

"BEEP, BEEP BEEP BEEP"

Hey! The mailman just delivered my IC-703 service manual!  
I'll have a look at it and let y'all know what it's like...its purty enough...

Anyway, the rig survived the heatrun.  
Dunno if it's possible to drive the '703 well beyond its 10 watt ouput spec with a soundcard app or not...

BTW, I've made a few PSK31 contacts on 20 with my '703...but at only 5 watts p.e.p. :)

My problem points heavily to the driver stage just prior to the finals.  
It'll be interesting to learn whether the other person's '703 failure was indeed in the final pa or elsewhere...could be anything, I suppose...

Man! I could really get into this vacation stuff :)

73.  
Bill, N4QA  
<http://www.n4qa.com>

---

MSN 8 with e-mail virus protection service: 2 months FREE\*  
<http://join.msn.com/?page=features/virus>

---

Date: Thu, 31 Jul 2003 14:43:00 -0400  
From: Alex <kr1st@amsat.org>  
To: n4qa@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155210] Re: Redirect of IC-703 Question?  
Message-ID: <3F296334.241F6391@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

"Bill, N4QA" wrote:

> My problem points heavily to the driver stage just prior to the finals.

I've also been eying up the IC-746 Pro and read some comments about failing transmitters in these rigs also. One commenter on Eham said that it was the driver in his rig (746) that gave up. I wonder if they used



the same driver (in order for them to order higher quantities of driver chips) in these rigs.

> Man! I could really get into this vacation stuff :)

Great! Rub it in! :)

73,  
--Alex KR1ST

-----  
Date: Thu, 31 Jul 2003 12:04:20 -0700  
From: "Chetan Bhargava" <list3@bhargavaz.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [155211] Molex POver Connector  
Message-ID: <014c01c35796\$90b55660\$2701a8c0@chetan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi,

Does anyone know the Molex part number for the standard 6 pin DC power connector for ICOM HF rigs? ARRL website says Molex 319 but that brings up lots of parts when searched on Molex's site.

73,

Chetan Bhargava KG6NFG  
www.bhargavaz.net

-----  
Date: Thu, 31 Jul 2003 12:03:56 -0700  
From: "Ian Wilson" <ianmwilson@earthlink.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [155212] DDS experimenter's kit (longish)  
Message-ID: <002701c35796\$892f8690\$1002a8c0@TrabucoIan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I've had a couple of AD9850's waiting for a suitable PCB, so when Trevor's kit became available through the Fort Smith QRP group, I jumped at the chance.

I'm not using the CPU or the CPU board (if anyone wants to swap these for a DDS daughterboard, please contact me), but the DDS board is almost ideal for my purposes.

I'm not using SMT parts, other than the DDS chip and the MMIC, so my board doesn't do justice to Trevor's layout, but it works fine nevertheless.

Mounting the DDS chip (use eye protection, especially when working in close):

I mounted the DDS chip with lots of light, an illuminated magnifier, and the temperature-controlled Weller that I use for all soldering. It has a nice clean tip, not especially fine but good shape. Tacked down two opposite corners using almost no solder, after verifying the part orientation a few times. Then applied the tip to each pin. You can see the solder reflow with enough light. Didn't use any solder other than what was tinning the tip of the iron. There was some flux lurking around (I cleaned the tip and touch the solder briefly when it seemed to need it). Checked continuity against the circuit diagram using a metal hobby knife as one probe of an ohmmeter (apply one probe to PCB trace; using magnification, apply the tip of the hobby knife to the pin of the DDS part. Using a 'beeper' removes the need for multiple sets of eyes).

I'm using a 66.67MHz clock, since that's what I had available, with a 16F84A PIC to control the DDS, LCD display, etc. I will probably move the PIC and its few components to the prototyping area on the DDS PCB when I've finished tinkering. This will be a very neat DDS VFO once that's in place.

Since I'm using a different clock, I had to redesign the output filter. The DDS has a large spurious component at  $(f_{clk} - f_c)$  (and others). For example, if I want to be able to generate 20MHz using a 66.67MHz clock then I need a filter with plenty of cutoff at  $(66.67 - 20 = 46.67\text{MHz})$ . So I cooked up an elliptical filter design with passband at about 30MHz and stopband at 50MHz or so. (This is a 2-section pi network: 220pF/280nH/330pF/150nH+68pF/220pF).

This seems to work pretty well; 10MHz and 20MHz signals are very clean (no access to spectrum analyzer, so can't give any figures). Initially I had a problem with the clock signal making its way to the output; this turned out to be a screening problem with the xtal oscillator (a junk box part, so it doesn't fit on the board).

While digging around for this project, I was able to identify some 4-terminal devices that were lurking on some swap meet junk PCBs. They turned out to be MAR-2 and MAV-11 MMICs. The MAV-11 (18.2dBm output, 10dBm gain) has been pressed into service for this project. It even fits on the DDS PCB (note: the raised dot on this device marks the output, not the input terminal). At 5v supply no series power resistor is required.

Just been listening to the output on the base station. Tone sounds good, and - joy of joys - zero drift.

This has been a terrific project so far. Thanks again to Trevor, KG6CYN, for making this available.

de ian, K3IMW/6

-----  
Date: Thu, 31 Jul 2003 15:15:59 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: n2cx@voicenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [155213] Re: Learning to SEND Morse  
Message-ID: <3F296AEF.C6CE730E@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

My keyer, a 1970's model Accy Keyer has a switch to select either normal or iambic modes. I leave it in the normal mode. Iambic may be all the rage, but what most folks don't realize it might not be their best choice. I really believe iambic became popular here because Chuck Adams uses it.

My keyer will also accommodate either iambic or normal paddles. I have an older Vibroplex that is of the normal persuasion, but use a Bencher normall. .73

-----  
Date: Thu, 31 Jul 2003 15:24:10 -0400  
From: K7VO <k7vo@earthlink.net>  
To: myetsko@insydesw.com  
Cc: qrp-l@lehigh.edu  
Subject: [155214] Re: VEC Petition  
Message-ID: <20030731152410.0a687ddc.k7vo@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

On Thu, 31 Jul 2003 11:52:02 -0400  
"Mike Yetsko" <myetsko@insydesw.com> wrote:

> > There is an article on eham.net that has the full text of the VEC  
> > petition to the FCC.  
> >  
> > Tim, N9PUZ  
>  
> QRZ also has it, as the leadoff to a discussion string.  
>  
> It seems to have brought out the worst in some people...

Sadly, the code-no code issue always does. I understand where the CW  
forever folks are coming from. While I favor the NCVEC petition, I  
would strongly oppose any petition that would do away with the CW bands.

In fact, I would like to see a portion of each band set aside for CW  
only (as in no other digital modes) as is currently the case between  
50.0-50.1 MHz and 144.0-144.1 MHz. To quote Bill, NQ4A:

> The truth as to whether CW is interesting...fun, efficient...even  
> alive after some 158 years.

I agree completely.

As I already pointed out, I resented and avoided CW except when I felt  
it was absolutely necessary (i.e.: to work Albuquerque, NM on 2m) until  
AFTER I had my Extra when it wasn't required of me any more. With the  
pressure off, and with me no longer feeling force fed, I slowly but  
surely found a reason to do CW. I guarantee you I would not have worked  
Japan on 6m at QRPp power levels (250mW) using SSB. I started  
collecting Mizuho gear, bought a DC-7X CW rig, and I wanted to try it  
out. Suddenly I was actually finding a reason to enjoy 40m CW. Last  
year I was a CW op at Field Day. I never before imagined that I'd EVER  
do something like that.

I sincerely believe that, should the NCVEC petition become an NPRM, and

should that in turn be implemented by the FCC, that we will end up with MORE CW ops, not fewer. It does fall to us, though, to actually explain why we use CW and why it is worth learning. It is a challenge. Are you up to it?

Finally, I look at the amount of energy being wasted on the code-no code debate when the outcome looks certain to me. Why isn't the same amount of energy being spent to kill BPL? Folks, if BPL is implemented you can say goodbye to HF and 6m QRP operation forever if the ARRL numbers are anywhere near correct. Where is all the outcry about BPL? Why aren't we united as a community on that issue? I would think we would all line up behind the ARRL, whatever our personal feelings about that organization, until we assure that any BPL implementation protects the ham bands from harmful interference.

Anyway, I need to get off my soapbox now. I have some work to do and then, hopefully, I can find some time for HF QRP :)

72/73,  
Caity  
K7VO

-----  
Date: Thu, 31 Jul 2003 12:39:33 -0700  
From: Mik Ishmael <mightymik2@comcast.net>  
To: "John J. McDonough" <wb8rcr@arrl.net>  
Cc: Jim Eshleman <jce0@lehigh.edu>, Low Discussion <qrp-l@lehigh.edu>  
Subject: [155215] Re: Elmer 160: linux development tools  
Message-ID: <B59AC995-C38E-11D7-9B46-000A277EDE44@comcast.net>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Transfer-Encoding: 7bit

I've been having posting problems...let's see if this makes it. I basically agree. For the most part, it shouldn't matter what OS or programmer you have, you write the code, and burn the chip. as far as the '84 or '628 debate...quoting from a certain eBay ad "Any of these features can be ignored or turned off as you wish." And since they are supposed to be code compatible, why not note differences (like this). I have a 'kit 96' programmer, so it should work. :)

On Thursday, July 31, 2003, at 09:29 AM, John J. McDonough wrote:

> Basically, all PICs program the same way.  
>  
> There are obvious differences in the memory size and the various  
> features,

> so it doesn't, for example, make sense to program the EEPROM in a PIC  
> that  
> doesn't have EEPROM, but the scheme is basically the same.  
>  
> All the FLASH PICs are notified that they are being programmed by  
> raising a  
> pin to >12 volts. SOME of these can be programmed with 5 volts only,  
> providing you have warned them ahead of time you intend to do that.  
> The  
> actual data comes in at normal TTL levels in either case. They are all  
> serially programmed, so there is a data pin and a clock pin. These  
> pins  
> have other uses when the part is not being programmed.  
>  
> The main complexity in building a programmer for different PIC models  
> is  
> that, depending on the features, they have different numbers of pins.  
> In  
> general, though, all the PICs with the same number of pins use the  
> same pins  
> in programming, so you probably could cover the gamut with simple  
> logic and  
> a handful of sockets wired in parallel.  
>  
> One thing that changes the cost of programmers is the supply. When  
> programming the part, you send the program, then read it back.  
> Microchip  
> recommends that, for production purposes, you read it back at the  
> minimum  
> and maximum supply voltages. In most applications, the supply might  
> range  
> from 4.5 to 5.5 volts, but many of the PICs will operate from 3 to 6  
> volts.  
> Depending on your application, you may very well want to verify at,  
> say, 3  
> and 3.5 volts. For convenience, you would like the supply to be  
> controllable by the programming software, but if you were in  
> production, you  
> wouldn't want to have to tell the programmer what voltages to use for  
> each  
> individual part, but you would like the software to tell you if the  
> voltage  
> you chose didn't make sense for particular part. Obviously, this can  
> add up  
> to a complex programmer and complex software.  
>  
> For our purposes, we can probably get by with a 5 volt supply that's 5  
> volts

> or so, and a really simple programmer. If you think about only 2 pins  
> with  
> data and one with +12, it only takes a few diodes to protect most  
> circuits  
> from that (and to prevent the circuit from interfering with the  
> programming  
> data), so programming the part while it is in the final circuit is a  
> real  
> possibility. Microchip has good documentation on how to do this.  
> When you  
> are experimenting, this is a real convenience.  
>  
> I don't intend to do much, if anything, specific to Linux. I figure  
> 95% of  
> the folks will be using Windows, and that is where Microchip's tools  
> are  
> targeted. However, I noticed today that they have gcc sources on their  
> site. It's going to be tough to keep from getting distracted by that  
> <g>  
>  
> 72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
> didileydadidah      QRP-L #1446 Code Warriors #35  
>  
>  
> ----- Original Message -----  
> From: "w9ya" <w9ya@arrl.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, July 31, 2003 11:30 AM  
> Subject: Re: Elmer 160: linux development tools  
>  
>  
>> Tim;  
>>  
>> Looks simple enough. Do all pics use essentially the same or similar  
> burning  
>> protocols ?, i.e. similar enough to use such a simple programmer.  
>>  
>> Thanxs for your time and the reply.  
>>  
>> Vy 72;  
>>  
>> Bob  
>

-----  
Date: Thu, 31 Jul 2003 16:05:42 -0400

From: K7VO <k7vo@earthlink.net>  
To: ARDUJENSKI@aol.com  
Cc: qrp-1@lehigh.edu  
Subject: [155216] Re: The AVERAGE QRP CONTESTER  
Message-ID: <20030731160542.6c98feee.k7vo@earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

On Thu, 31 Jul 2003 11:45:55 EDT  
ARDUJENSKI@aol.com wrote:

> I was curious how many other AVERAGE QRP operators are meeting with  
> measured success in contests. Are there folks out there with less  
> sophisticated radios, basic antennas and average sending speeds doing  
> relatively well in contests?

Hi, Alan,

Interesting topic for discussion...

I've never been a contested, but I will admit to being intrigued by the ARS Spartan Sprint. I have the little Mizuho portables that are fully self-contained, and it seems to me that I have the perfect radios for the "Skinny" division. Since weight of antennas has to be included in the weight calculation it seems to me that the playing field would be more balanced, or, if anything, skewed in favor of small, simple stations. I've been meaning to enter the contest with either a Mizuho P-7DX (40m) or MX-14S (20m), staying on just one band to keep my weight really light.

At QRP and especially QRPP power levels I consider every contact an accomplishment. It seems to me that I would be less concerned with "winning" a contest with a minimal or average station than simply putting up a respectable score compared to other stations running similar equipment and antennas. Maybe I'm just not competitive enough, but who has accomplished more: a contest "winner" running big monoband HF beams on high towers, or someone who finished ninth with an OHR kit they built and a dipole? From my perspective that ninth place finish is something special.

72,  
Caity  
K7VO

-----

Date: Thu, 31 Jul 2003 15:11:36 -0500



From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <AQRP@yahoogroups.com>, <qrp-l@Lehigh.EDU>,  
<WCARC@yahoogroups.com>, <aarcaro@yahoogroups.com>,  
Subject: [155217] Austin Tx Summerfest QRP Forum has additonal prizes donated from  
American QRP Club; and Swap Table  
Message-ID: <008f01c3579f\$f1a2c9e0\$4e100a0a@rohredt2000>

Those who come to Austin Tx each summer on first Aug. weekend know we have prizes at the QRP dinner and forum from ARRL books to kits from QRP sources, to things like antenna noise bridges, to parts and semiconductors from time to time.

We also have a swap table for use of the AQRP members in the indoor swap meet. Look for AQRP sign on a table.

Well, this year, thru the generosity of Doug Hendricks of the American QRP Club we have the following prizes to add to our list. Gift certificates for these will be handed out, and then Doug will ship the kit direct to the winner. Thanks Doug!

Here are the AmQRP donations:

#1 NorCal Keyer Kit.

#2 NorCal Resistor Kit.

#3 NorCal Miniboosts Amp Kit.

#4 NorCal BLT Tuner in the NEW Case!!

Isn't the QRP community great?!  
72, Stuart  
K5KVH

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Date: Thu, 31 Jul 2003 17:32:24 -0400  
From: Ed Tanton <n4xy@earthlink.net>  
To: qrp-L Reflector <qrp-l@lehigh.edu>  
Subject: [155218] 455kHz AM filters & a great knob...  
Message-ID: <5.2.1.1.2.20030731172527.02174f70@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

My friend Mike Maghakian-with whom I have been doing some trading, and can

vouch for-has a small quantity of two items of interest for sale. The 1st is a 13-pole 455 kHz ceramic filter; and the second is apparently the same 1.75" black-anodized, solid aluminum ALCO knob Mouser has for > \$20 each-with tuning-finger 'hole'. Prices are the same: \$9.50 each, or two for \$18, shipped CONUS. You can see the knob and a pdf of the filter at: <<http://home.att.net/~maghakian/wsb/html/view.cgi-home.html-.html>> . (And yes, the double "html" at the end is correct.)

No discount/whatever involved for me, just passing along a couple of good deals.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

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"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
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Date: Thu, 31 Jul 2003 18:11:39 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [155219] Re: Redirect of IC-703 Question?  
Message-ID: <BAY1-F396BQ4CXdvvpI000154df@hotmail.com>  
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Alex and gang,

The suspect surface-mount driver transistor in my IC-703 is designated Q150 which, according to the Icom service manual, is an RD01MUS1 device.

A google search for this device type turned up an informative Mitsubishi website.

Mitsubishi specs this device as an RF Power MOS FET, rated 1 watt output at 520 MHz.

I'm in the process of contacting Icom about single-piece pricing and delivery for this device.

I could probably find it at one of the parts houses as well.

While higher-powered Icom radios *may* use this device, it would be used a few stages ahead of the final pa. In the '703, it immediately precedes the push-pull finals.

I too have read several reviews of various Icom rigs, including flavors of the '746 and '756...yes, even the Pro-II, in which transmitter failures have been alleged. But, I don't recall mention of specific devices or solid proof of any particular failure...

Good luck on your choice of a new rig!

73.

Bill, N4QA

<http://www.n4qa.com>

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<http://join.msn.com/?page=features/junkmail>

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End of QRP-L Digest 2998

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